# RISK FACTORS OF BLEEDING AFTER FIRST COURSE OF ENDOSCOPIC INJECTION SCLEROTHERAPY

#### Thesis

Submitted for partial fulfillment of the Master Degree in General Medicine

26 32.

5 3174

By

Ahmed Hassan Mohamed (M.B.B.C.H)

# Supervised By

## PROF. DR. SAMI ABD ALLAH ABD EL FATTAH

Professor and Head of Gastroenterology Department Faculty of Medicine, Ain Shams University

### PROF.DR.MOHSEN MAHER

Professor of General Medicine Faculty of Medicine, Ain Shams University

#### DR.MOHSEN EL-SAID AHMED

Lecturer in General Medicine Faculty of Medicine, Ain Shams University

Faculty of Medicine Ain Shams University





## CONTENTS

INTRODUCTION ( 1)
AIM OF THE WORK ( 2)
REVIEW OF LITERATURE: - Hepatic cirrhosis(3)
- Portal hypertension(12)
- Esophageal varices(24)
- Sclerotherapy(44)
- Hepatocellular carcinoma(61)
PATIENTS AND METHODS(86)
RESULTS(90)
DISCUSSION(124)
SUMMARY AND CONCLUSION(129)
REFERENCES(130)
ADARTO CHMMADV

#### **ACKNOWLEDGEMENT**

I would like to express my highest appreciation and deepest gratitude to Prof. Dr. Sami Abd El Fattah, Professor and Head of Gastroenterology Department, Ain Shams University, for his skillful guidance, valuable advice and expert supervision which were essential for my work to be finally achieved.

Also, I would like to express my sincere thanks and appreciation to Prof. Dr. Mohsen Maher, Professor of General Medicine, Ain Shams University for his continuous guidance, and providence of all facilities possible to complete this work.

My deepest thanks also go to Dr. Mohsen El-Said Ahmed, lecturer in General Medicine, Ain Shams University for his continuous advice to complete this work.



#### LIST OF TABLES

Table (1):(40) Child's classification of liver disease.
Table (2):(41)  Pugh's classification for patients with liver cirrhosis.
Table (3):(41) Stages of hepatic encephalopathy.
Table (4):(47) Sclerosing agents.
Table (5):(58) Complications of sclerotherapy
Table (6):(90)  Descriptive data of group A regarding age
Table (7):(90)  Descriptive data of group B regarding age
Table (8):(90)  Descriptive data of both studied groups (A and B) regarding age.
Table (10):(91)  Sex difference in group B
List of tables, Graphs and figures

Table (11):(91)  Sex difference in both studied groups (A and B)
Table (9):(91) Sex difference in group A
Table (12):(92)  Liver size in clinical examination of both studied groups (A and B)
Table (13):(92) Liver size in clinical examination of group A
Table (14):(92)  Liver size in clinical examination of group B
Table (15):(93)  Spleen size in clinical examination of Both studied groups (A and B)
Table (16):(93)  Spleen size in clinical examination of group A
Table (17):(94)  Spleen size in clinical examination of group B.
Table (18):(94) Ascites in clinical examination of both studied groups (A and B)
List of tables, Graphs and figures -

Table	e (19):(95) Ascites in clinical examination of group A
Tabl	e (20):(95) Ascites in clinical examination of group B
Tabl	e (21):(96)  Jaundice in clinical examination of both studied groups (A and B)
Tabl	e (22):(96)  Jaundice in clinical examination of group A
Tabl	e (23):(96)  Jaundice in clinical examination of group B
Table	e (24):(97) Liver by abdominal sonar for both studied groups (A and B)
Table	e (25):(97) Liver by abdominal sonar for group A
Table	e (26):(98) Liver by abdominal sonar for group B
Table	e (27):(98)  HCC proved by serum alpha feto protein  done for 4 patients with focal lesions  in abdominal sonar
	List of tables, Graphs and figures

Table (28):(99)  Percentage of proved HCC in both studied groups (A and B)
Table (29):(99)  Percentage of proved HCC in group A
Table (30):
Table (31):
Table (32):(101)  Descriptive data of group B regarding spleen size & P.V.D. by abd. sonar
Table (33):
Table (34):(102)  Descriptive data of group A regarding liver function tests.
Table (35):(103)  Descriptive data of group B regarding liver function tests.

----- List of tables, Graphs and figures -----

Descriptive data of both studied groups (A and B) regarding complete blood picture
Table (37):
Table (38):
Table (39):(105)  Comparison between group (A and B) regarding age.
Table (40):
Table (41):
Table (42):
Table (43):
List of tables Craphs and figures

Table (44):(109)  Comparison between group (A and B) as regard number of varices.
Table (45):(111)  Comparison between group (A and B) as regard sex
Table (46):(111)  Comparison between group (A and B) as regard clinical examination of the liver
Table (47):(112)  Comparison between group (A and B) as regard ascites in clinical examination
Table (48):(112)  Comparison between group (A and B)  as regard jaundice in clinical  examination
Table (49):(113)  Comparison between group (A and B) as regard the presence of sherry red spots seen by endoscopy
Table (50):(113)  Comparison between group (A and B) as regard hepatitis markers
Table (51):(115)  Comparison between group (A and B) as regard anti C.
List of tables, Graphs and figures